(POCKET EDITION)

1938

DOORS SASH COLUMNS

MOULDINGS

GALT - ONTARIO



UNIFORM QUALITY

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-			130		-	-	-	-	-	-	_	_	_	-	_
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Service and Satisfaction is OUR MOTTO



3 Warehouses

TORONTO

MONTREAL

GALT

P. W. GARDINER and SON, LIMITED GALL ONTARIO PHONE 146





STANDARD SIZES

Interior Designs (Nos. 10-81)

2-0 x 6-0 x 1³/₈"
2-0 x 6-6 x 1³/₈"
2- 2 x 6- 8 x 1³/₈"
2- 2 x 6- 8 x 1³/₈"

2-2 x 6-6 x 1³/₈" 2- 4 x 6- 8 x 1³/₈" 2- 6 x 6- 8 x 1³/₈"

2-4 x 6-6 x 138" 2- 6 x 6- 8 x 138" 2- 8 x 6- 8 x 138"

2-6 x 6-6 x 1³/₈"

2-8 x 6-8 x 1³/₈ & 1³/₄
2-10 x 6-10 x 1³/₈ & 1³/₄

3- 0×7 - $0 \times 1^{3}/_{8} & 1^{3}/_{4}$

Glass Designs 13/8" and 13/4" (Nos. 110-156)

2-6 x 6-6 2-6 x 6-8 2-10 x 6-10 3-0 x 7-0

2-8 x 6-8

French Designs 13/8" (Nos. 205-239)

2-6 x 6-6 2-0 x 6-8 2-8 x 6-8

2-2 x 6-8 2-4 x 6-8 2-4 x 6-8 2-10 x 6-10 3-0 x 7-0

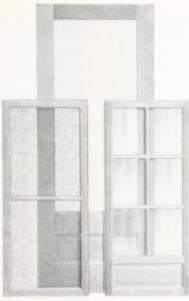
Front Designs 13/4" (Nos. 300-826)

2- 8 x 6- 8 2-10 x 6-10

Garage Designs 13/8" and 13/4"

7-6 x 7-0 7-6 x 7-6 8-0 x 7-6 8-0 x 8-0

 $8-0 \times 7-0$



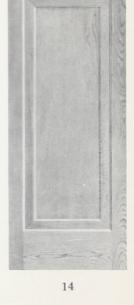
5

Equipped with metal fasteners inset in stiles: 1\%" and 1\%" Standard Thicknesses

Size of Door	Size of Light
2- 6 x 6- 616 2- 6 x 6- 816	8 7 x 12 5 8
2-8 x 6-8	8 1 x 13 4 9 1 x 13 4
2-10 x 6-10 3 3- 0 x 7- 0 3	10 7 x 14 11 7 x 14 %







10

Stiles, 43/4". Veneered Panel. Bottom Rail, $11\frac{1}{2}$ ". Bottom Rail, $11\frac{1}{2}$ ".

Stiles, 43/4". Insert Frame.









16

17

Stiles, 434". Insert Frame. Bottom Rail, 111/2".

Stiles, 434". Veneered Panel. Bottom Rail, 111/2".







18

20

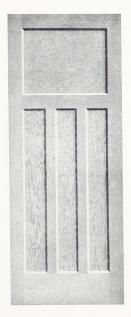
Stiles, $5\frac{1}{2}$ ". Stiles, $4\frac{3}{4}$ ". Veneered Panel (Hollow) Bottom Rail, $11\frac{1}{2}$ ". Bottom Rail, $9\frac{1}{2}$ ".





45

Stiles, $4\sqrt[3]{4}''$. Top Panel, 10''. Bottom Rail, $8\sqrt[3]{4}''$. Mullions, $3\sqrt[1]{2}''$. Flat Panels. Bead and Cove Sticking.



46

Stiles, $4\sqrt[3]{4}''$. Top Panel, 18''. Bottom Rail, $9\sqrt[1]{2}''$. Mullions, $3\sqrt[1]{2}''$. Flat Panels. Bead and Cove Sticking.







50

Stiles, 43/4".
Cross Rail, 43/4".
Bottom Rail, 83/4".
Raised Panels.
Bead and Cove Sticking.



51

Stiles, 4³/₄". Cross Rail, 4³/₄". Bottom Rail, 8³/₄". Flat Panels. Bead and Cove Sticking.





54

Stiles, $4\frac{3}{4}''$. Cross Rails, $4\frac{3}{4}''$. Bottom Rail, $8\frac{3}{4}''$. Raised Panels. Bead and Cove Sticking.



55

Stiles, $4\frac{3}{4}''$. Cross Rails, $4\frac{3}{4}''$. Bottom Rail, $9\frac{1}{2}''$. 3-Ply Flat Panels. Bead and Cove Sticking.







GUARANTEE

We fully guarantee our doors against defective material and workmanship, and will furnish new doors for any found defective, providing claim is made within a reasonable time and doors have not been subject to unfair treatment.

Service and Satisfaction

60

Stiles, 4¾". Cross Rails, 4¾". Bottom Rail, 8¾". Flat Panels. Bead and Cove Sticking.







64

65

Stiles, 434".

Lock Rail, 812".

Bottom Rail, 912".

Raised Panels.

Bead and Cove Sticking.

Stiles, 434".

Lock Rail, 8½".

Bottom Rail, 9½".

Flat Panels.

Bead and Cove Sticking.







Stiles, 434".
Cross Rails, 434".
Bottom Rails, 9½".
Raised Panels.
Bead and Cove Sticking.



81

Stiles, $4\frac{3}{4}''$. Cross Rails, $4\frac{3}{4}''$. Bottom Rails, $9\frac{3}{2}''$. Raised Panels. Bead and Cove Sticking.







111

Size of Door	Size of Light	Size of Door	Size of Light
2-6×6-6	21 % x 38%	2-6 x 6-6	21 10 x 22
2-6 x 6-8	2116 x 4034	2-6 x 6-8	21 5 x 24
2-8×6-8	23 10 x 40 14	2-8 x 6-8	23 x 24
2-10 x 6-10	25 x 4234	2-10 x 6-10	25 x 26
3-0 x 7-0	2716 x 4434	3-0 x 7-0	27 x 28

Stiles 434". Lock Rail, 7". Bottom Rail, 912". 3-Ply Panel.

Bead and Cove Sticking.

Stiles, 4¾". Lock Rail, 7". Bottom Rail, 9½". 3-Ply Panel.

Bead and Cove Sticking.





Design 115 (Reised Staart on Design 16)



Design 116 (Raised Insert as Design 16)

			Size of Light
2-6×6-6	21 × 43 4	2-6×6-6	21 to x 25 to
2- 6 x 6- 8	21 × 45%	2-6×6-8	21 × 27 ×
2- 8 x 6- 8	23 × 45 ×	2-8×6-8	23 1 × 27 1
2-10 x 6-10	25 × 47%	2-10 x 6-10	25 x 29
3-0 x 7-0	27 x 49 4	3-0 x 7-0	27 lo x 31 lo

Stiles #5," Look Rail #5," Botton Rail #5,5 Sourt of Panel Stiles, # \q". Lock Rail, # \q". Bottom Rail, # \q". Insert at Panel









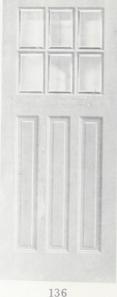
Design 131 - (Flat Panels)

133

Design 151	Design 131 - (Flat Fancis)					
Size of Door	Size of Light	Size of Door	Size of Light			
2-6 x 6-6	21½ x 22	2- 6 x 6- 6	63/4 x 217/8			
2- 6 x 6- 8	21½ x 24	2- 6 x 6- 8	63/4 x 237/8			
2-8 x 6-8	23½ x 24	2-8 x 6-8	$7\frac{7}{16} \times 23\frac{7}{8}$			
2-10 x 6-10	25½ x 26	2-10 x 6-10	8 1 x 25 1/8			
3-0 x 7-0	27 1 x 28	3- 0 x 7- 0	83/4 x 277/2			

Stiles, 434". Lock Rail, 7". Bottom Rail, 834". Raised Panels. Bead and Cove Sticking. Stiles, 434". Lock Rail, 7". Bottom Rail, 834". Raised Panels. Bead and Cove Sticking.







138

Size of Door	Size of Light	Size of Door	Size of Light
2- 6 x 6- 6	63/4 x 95/8	2- 6 x 6-16	47/8 x 105/8
2- 6 x 6- 8	$6\frac{3}{4} \times 10\frac{5}{8}$	2- 6 x 6- 8	47/8 x 115/8
2-8 x 6-8	$7\frac{7}{16} \times 11\frac{5}{8}$	2-8 x 6-8	53/8 x 115/8
2-10 x 6-10	$8\frac{1}{16} \times 12^{5/8}$	2-10 x 6-10	57/8 x 125/8
3- 0 x 7- 0	$8\frac{3}{4} \times 13\frac{5}{8}$	3- 0 x 7- 0	63/8 x 135/8

Stiles, 4³4". Lock Rail, 7". Bottom Rail, 8³4". Raised Panels. Bead and Cove Sticking.

Stiles, 43/4". Lock Rail, 7". Bottom Rail, 83/4". Raised Panels. Bead and Cove Sticking.









139

150

Size of Door	Size of Light	Size of Door	Size of Light
2-6 x 6-6	$6\frac{3}{4} \times 6\frac{7}{8}$	2- 6 x 6- 6	21½ x 30
2- 6 x 6- 8	$6\frac{3}{4} \times 7\frac{9}{16}$	2- 6 x 6- 8	21½ x 32
2-8 x 6-8	$7\frac{7}{16} \times 7\frac{9}{16}$	2-8 x 6-8	$23\frac{1}{2} \times 32$
2-10 x 6-10	$8\frac{1}{16} \times 8\frac{3}{16}$	2-10 x 6-10	$25\frac{1}{2} \times 34$
3- 0 x 7- 0	$8\frac{3}{4} \times 8\frac{7}{8}$	3- 0 x 7- 0	27½ x 36

Stiles, 4¾". Lock Rail, 7". Bottom Rail, 8¾". Raised Panels. Bead and Cove Sticking. Stiles, 434". Lock Rail, 7". Bottom Rail, 834". Raised Panels. Bead and Cove Sticking.







191

155

Size of Door	Size of Light	Size of Door	Size of Light
2- 6 x 6- 6	21 1/2 x 24 1/4	2- 6 x 6- 6	21½ x 31½
2-6×6-8	21 1/2 x 26 1/4	2- 6 x 6- 8	21½ x 33½
2-8 x 6-8	23 1/2 x 26 1/4	2-8 x 6-8	23 ½ x 33 ½
2-10 x 6-10	25 1/2 x 28 1/4	2-10 x 6-10	25½ x 35½
$3 - 0 \times 7 - 0$	271/2 x 301/4	3-0 x 7-0	27½ x 37½

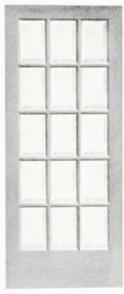
Stiles, 4¾". Lock Rail, 7". Bottom Rail, 8¾". Raised Panels. Bead and Cove Sticking.

Stiles, 434". Lock Rail, 7". Bottom Rail, 834". Raised Panels. Bead and Cove Sticking.









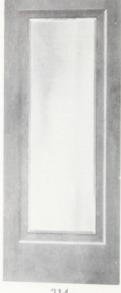
205

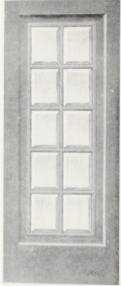
Size of Door	Size of Light	Size of Door	Size of Light
2- 6 x 6- 6	211/2 x 241/4	2- 6 x 6- 6	63/4 x 11/9
2-6 x 6-8	211/2 x 261/4	2-0 x 6-8	71/2 x 12
2-8 x 6-8	23 1/2 x 26 1/4	2-2 x 6-8	512 x 12
2-10 x 6-10	251/2 x 281/4	2- 4 x 6- 8	618 x 12
3-0 x 7-0	2716 x 3014	2-6 x 6-8	63/4 x 12
		2-8 x 6-8	7½ x 12
		2-10 x 6-10	818 x 127
		3-0 x 7-0	878 x 1278

Stiles, 4 ¾4". Lock Rail, 7". Bottom Rail, 8 ¾4". Raised Panels. Bead and Cove Sticking.

2-0 wide 10 lights, other Widths 15 lights. Stiles, 4 ¼". Bottom Rail, 13 ½".







214 220
Design 216 (Raise 1 Insert as Design 16.) Design 225 (15 lts.)

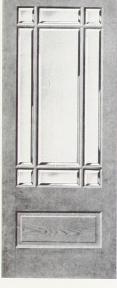
Rive of Man		ran months at	DO TES ILS.
Size of Door	Size of Light	Size of Door	Size of Light
2-6 x 6-6	157/8 x 57	2-6 x 6-6	71/4 x 103/
2-6 x 6-8	1578 x 59	2- 0 x 6- 8	41/4 x 111/
2-8 x 6-8	1778 x 59	2-2 x 6-8	51/4 x 111/
2-10 x 6-10	1978 x 61	2- 4 x 6- 8	61/4 x 111/
$3 - 0 \times 7 - 0$	21 7/8 x 63	2- 6 x 6- 8	71/4 x 111/2
		2-8 x 6-8	81/4 x 111/
		2-10 x 6-10	91/4 x 115
		3-0 x 7-0	101/4 x 12

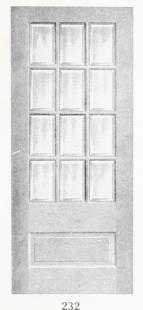
Stiles, 4%". Insert Frames. Bottom Rail, 11½".

Stiles, 4 3/4". Bottom Rail, 11 1/2". Insert frame around glass.









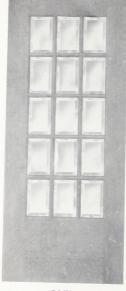
229

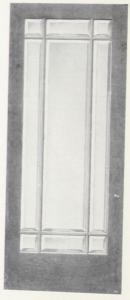
Size of Door	Size of Light	Size of Door	Size of Light
2-8 x 6-8	5x5-5x105/8x391/8	2-8 x 6-8	7 x 115%
2-10 x 6-10	5x5-5x125/8x411/8	2-10 x 6-10	75/8 x 121/8
3- 0 x 7- 0	5x5-5x145/8x431/8	3- 0 x 7- 0	81/4 x 125/8

Stiles 5" Lock Rail 9½" Bottom Rail8¾" Raised Panel

Stiles, 5". Lock Rail, 91/4". Bottom Rail, 83/4". Raised Panel.







200		239
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Size of Door 2- 6 x 6- 6 2- 0 x 6- 8 2- 2 x 6- 8	Size of Light 5 x 10½—10½ x 51¾ 5 x 6½—6½ x 53¾ 5 x 6½—6½ x 53¾
Design No. 235 is an outside door, with heavy stiles and bottom rail.	2- 4 x 6- 8 2- 6 x 6- 8 2- 8 x 6- 8 2-10 x 6-10 3- 0 x 7- 0	5 x 8 ½ 8 ½ x 53 ¾ 5 x 8 ½ 8 ½ x 53 ¾ 5 x 10 ½ 10 ½ x 53 ¾ 5 x 12 ½ 12 ½ x 53 ¾ 5 x 14 ½ 14 ½ x 55 ¾ 5 x 16 ½ 16 ½ x 57 ¾

Bottom Rail 161/2".

Standard layout, 9 margin lights. Stiles, $4\frac{3}{4}$.". Bottom Rail, $11\frac{1}{2}$ ".







300

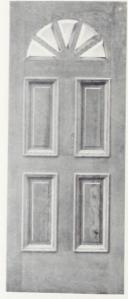
310

2- 8 x 6- 8	21 x 58	2- 8 x 6- 8	23 . *	49
2-10 x 6-10	23 x 60	2-10 x 6-10	25 ×	
3-0 x 7-0	25 x 62	3-0 x 7-0	275 ×	

Stiles, 51-2". Bottom Rail, 161-2". Stiles, 5". Lock Rail, 914". Bottom Rail, 834". Raised Panel.







330

344

Size of Door	Size of Light	Size of Door	Thickness
2-8 x 6-8	22 x 181/4	2- 8 x 6- 8	13/4
2-10 x 6-10	24 x 20 1/4	2-10 x 6-10	
3-0 x 7-0	26 x 22 1/4	3- 0 x 7- 0	13/4 13/4

Stiles, 5". Lock Rail, 12".

Stiles, 5". Lock Rail, 12". Lock Rail, 5".

Bottom Rail, 834". Bottom Rail, 1134".

B.M. and F.M. at Panels. Planted Mould at Panels.







345



348

Stiles, 5". Lock Rail, 5".

Bottom Rail, 11½".

Planted Mould at Panels.

Lock Rail, 5".

Bottom Rail, 11¾".

Planted Mould at Panels.

Stiles, 5". Lock Rail, 5".





349



360

Stiles, 5". Lock Rail, 5". Bottom Rail, 11³4". Planted Mould at Panels.

B.M. & F.M. at Panels. Stiles, 5".
Bottom Rail, 1134".







361

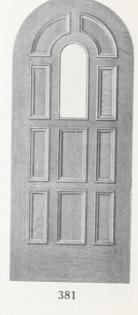


364

Stiles, 5". Cross Rail, 5". Bottom Rail, 11½". Planted Mould at Panels. Stiles, 5".
Lock Rail, 7½".
Bottom Rail, 11½".
Planted Mould at Panels.







380

Stiles, 5". Cross Rails, 5". Bottom Rail, 111/2". Raised Panels.

Stiles, 5". Cross Rails, 5".
Bottom Rail, 11½". Flat Panels. Planted Mould at Panels. Planted Mould at Panels.







391

405

Stiles.
Cross rails.
Bottom Rails.
Flat Panels.
Planted Mould at Panels.

Solid Construction. 5 Plank Type. Substantially Built.





406



410

Solid Construction.
6 Plank Type.

Solid Construction.
5 Plank Type. Well Built.

Well Built.







412



414

Solid Plank Construction





430



434

Solid Plank Construction.





Solid Plank Construction.

436





440



445

Solid Plank Construction.







Size of Door	Thickness	Size of Door	Size of Light
2-8 x 6-8	13/4	2-8 x 6-8	20 x 20
2-10 x 6-10	134	2-10 x 6-10	22 x 22
3-0 x 7-0	134	3-0 x 7-0	24 x 24

Veneered Slab Doors.







530

531

Design 540 (4 vert. lts.) Design 541 (4 vert. lts.)

Size of Door	Size of Light	Size of Door	Size of Light
2-8 x 6-8	$5\frac{\%}{16} \times 13\frac{7}{8}$	2-8 x 6-8	6 1/8 x 20
2-10 x 6-10	$6\frac{\%}{16} \times 15\frac{7}{8}$	2-10 x 6-10	6 3/4 x 22
3-0 x 7-0	$6\frac{16}{16} \times 17\frac{7}{8}$	3-0 x 7-0	7 1/2 x 24

Veneered Slab Doors.







532

534

Design 533 (short lts. at side, long lt. in centre)

Size of Door	Size of Lights	Size of Door	Size of Lights
2- 8 x 6- 8	2 lt., 51/4 x 20-1 lt., 51/4 x 14	2-8 x 6-8	51/4 x 20
2-10 x 6-10	2 lt., 57/8x20-1 lt., 57/8x14	2-10 x 6-10	57/8 x 20
3-0 x 7-0	2 lt., 65/8x20-1 lt., 65/8x14	3- 0 x 7- 0	65/8 x 20

Veneered Slab Doors.

CANADIAN MADE









537

Veneered Slab Doors.





548

Veneered Slab Doors



560

Design 580 (8 lts.) Design 590 (9 lts.)





561

Design 581 (8 lts.) Veneered Slab Doors. Design 591 (9 lts.)

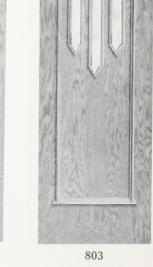






Veneered Slab Doors. (Hollow Slab with Inlay.)





Hollow Panel-Front Designs.







806

816

Hollow Panel-Front Designs.







820

826

Hollow Panel-Front Designs.

CUPBOARD DOORS

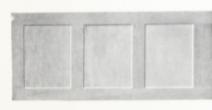








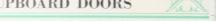




E (Panels raised L (Mirror door) P (6 lts., 2 wide one side)



CUPBOARD DOORS



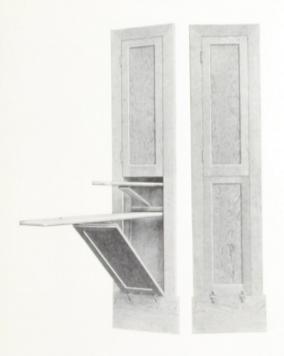


Design "A"—Wallboard Type (Detachable)

GARD ER

CUPBOARD DOORS





Design "B"-Permanent

CANADIAN MADE

GARAGE DOORS



SOUTARE FOOTAGE TABLE FOR SLAB DESIGNS

Design 950

Size of	Size of	
Opening	Light	
7-6 x 7-0	11½ x 10	
7-6 x 7-6	11½ x 13½	
8-0 x 7-0	12½ x 10	
8-0 x 7-6	12½ x 13½	
8-0 x 8-0	12½ x 16	

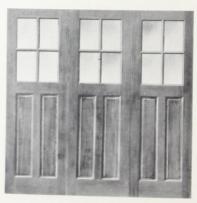
Beads at glass.



Design 960



Beads at glass.



SOUARE FOOTAGE TABLE FOR SLAB DESIGNS

footage table The following

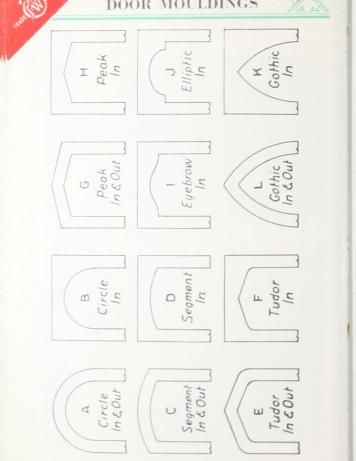






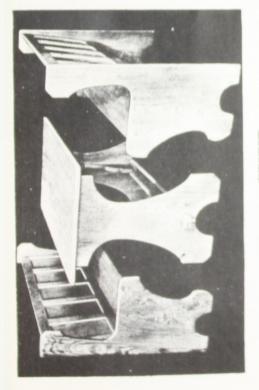
Knuckle Joint

0 0 4 9 8 0 0 0 0 4 9 8 0 0 222222222222224



BREAKFAST NOOKS





PINE OF CHESTAUT

Midth Length H 18" x 4-6 x 26" x 4-0 x

Bench

CANADIAN MADE



Column No. 1 Pilaster No. 1 Column No. 2

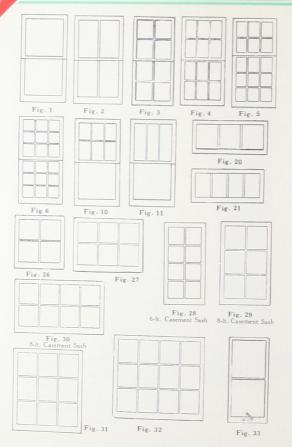
COLUMNS



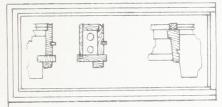
Column No. 3 Column No. 4 Column No. 5

CANADIAN MADE

STOCK SASH

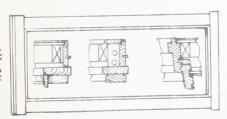


WINDOW FRAME MASONRY & BRICK NO. 120

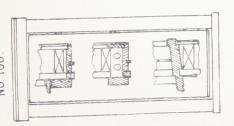


A PARA

STUCCO FRAME WALL WINDOW FRAME NO. 110

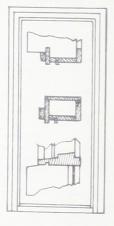


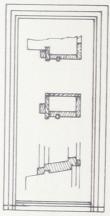
WINDOW FRAME FOR FRAME WALL NO. 100.



WINDOW FRAME WINDOW FRAME NO.124

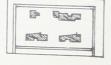


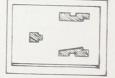




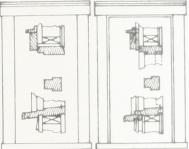
CELLAR FRAME BARN BASEMENT NO. 130

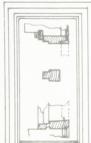
MASONRY WALL MASONRY WALL NO. 140





CASEMENT FRAME CASEMENT FRAME CASEMENT FRAME FOR FRAME WALL STUCCO FRAME WALL MASONRY & BRICK NO. 121 NO.101 NO.111

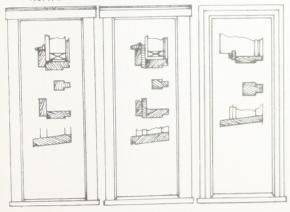




DOOR FRAME FOR FRAME WALL STUCCO FRAME WALL MASONRY & BRICK NO. 102

DOOR FRAME HO. 112

DOOR FRAME NO. 122



CANADIAN

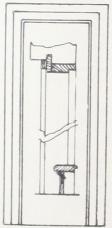
FRAMES



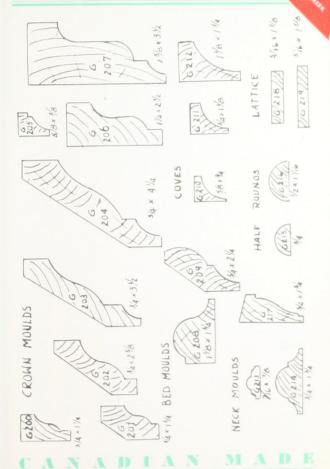
DOOR FRAME MASONRY & BRICK NO. 123

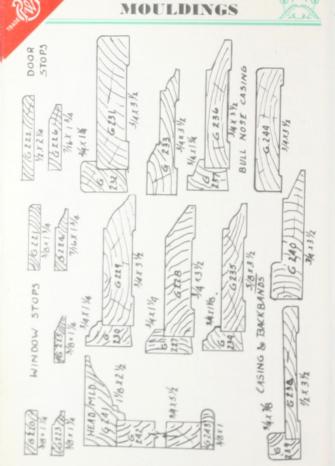


DOOR FRAME MASONRY & BRICK NO. 126



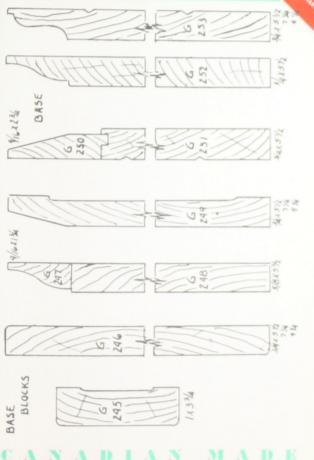
MOULDINGS

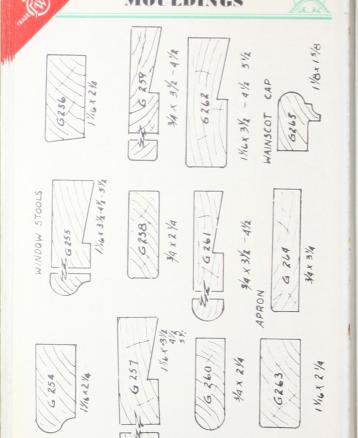




1 9/ 233/

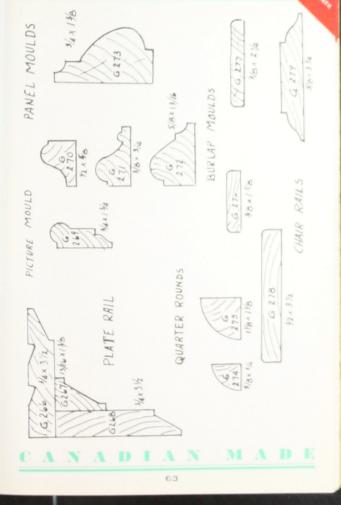
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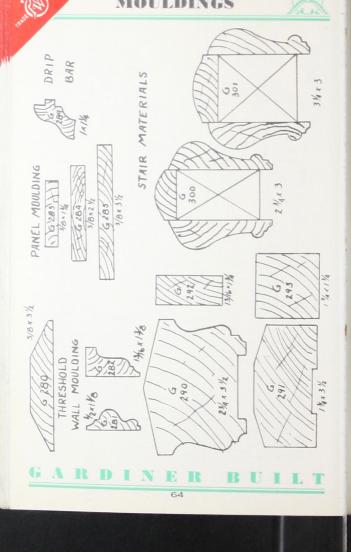




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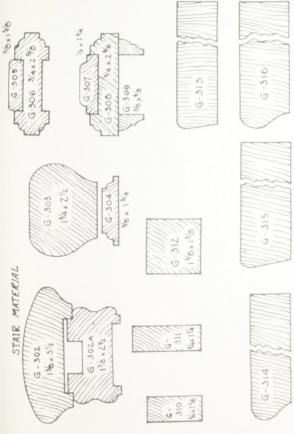




9/1×9/2 000 5/1/20

STAIR MATERIAL

MOULDINGS



CANADIAN MADE

G-309 RIGHT OR LEFT G-327 6-323 \$6 x 34 G-322 G-325)

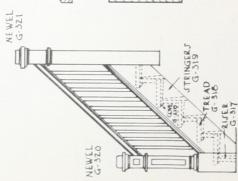
JAMBS

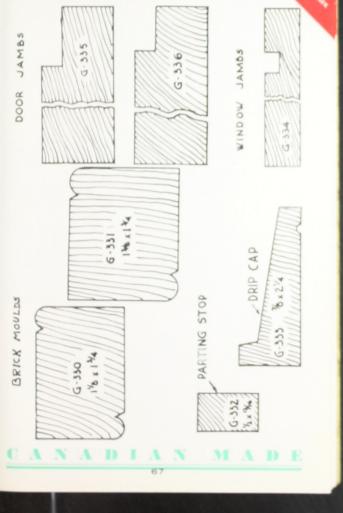
DOOR

BRICK MOULDS

STAIR MATERIALS

G-324





INSIDE DOOR FRAME WITH STOPS

INSIDE DOOR FRAME FOR ARCHWAY FOR SINGLE SLIDING DOOR G-342

G-341

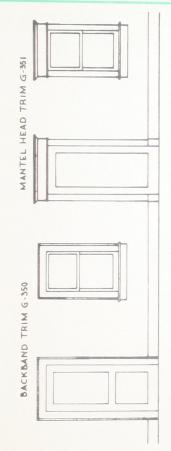
FOR DOUBLE SLIDING DOORS

9 1/2

7,6

DOOR FRAME RABBETTED JAMIBS INSIDE





No.





BACKBANDS



3/4×31/4 6.363

3/4 x 2/2

3/4×3/4

14 421/2 6.360

APRONS

G-365/





91/8 x 1/16

































GLASS BEADS









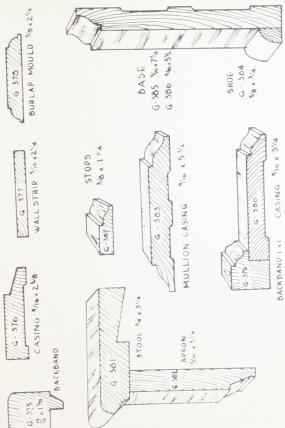








GA D E



G 395 22 x 32 634 STAIR NEWELS. 8 7 1 G A E R B

MISUELLANEUUS



- TIMBER is usually applied to pieces of lumber over 4" in
- LUMBER is a term used for pieces which are less than 4" thick.
- PLANK is a piece of lumber ranging from 1 1/2" to 4" in thickness.
- BOARD is a piece less than 1 1/2" thick.
- SCANTLING is a term frequently used in some localities and applies to 2" x 4" although 2" x 6" and 4" x 4" are also called by the same term.
- ROUGH LUMBER or ROUGH STOCK means such pieces that have been sawed but not planed.
- DRESSED LUMBER means pieces that have been planed on one
- DIMENSIONED LUMBER is a term used for pieces that are dressed on one side and one edge.
- FINISHED LUMBER is lumber which is to be used for interior or exterior finish and is dressed on all sides as directed. In ordering lumber surfaced on one or more sides it is usually abbreviated thus; S.1S. and means "Surfaced on one side". S.2S means "Surfaced on two sides". S.1S 1E. means "Surfaced on one side and one edge", and S4S. means "Surfaced on four sides".

STANDARD LENGTH

Lumber and Timber are cut in even lengths, that is, they are 6-0, 8-0, 10-0, etc. long.

MEAS REMENT OF LUMBER AND TIMBER

The unit of measurement of lumber is the board foot and termed "Board Measure" and is abbreviated B.M. A board which is 12" square and 1" thick contains one board foot.

MISCELLANEOUS



TAKING OFF MATERIALS FOR ROOFS

In order to take off the materials for the rafters a knowledge of roof framing is required, and it is assumed that the estimator has this knowledge. Following is a table from which the length of the rafters may be obtained.

TABLE 1 - ESTIMATING MATERIALS FOR ROOFS

Pitch	Rise per Foot	Length per	Percentage to be added	
	Run	Common	Hip	for Roof Area
1/4	6	1.118	1.50	12%
7/24	7	1.158	1.53	16%
1/3	8	1.202	1.563	20%
3/8	9	1.250	1.601	25%
5/12	10	1.302	1.641	30%
11/24	11	1.356	1.685	36%
1/2	12	1.414	1.732	41%
13/24	13	1.474	1.781	48%
7/12	14	1.537	1.833	54%
5/8	15	1.601	1.887	60%
2/3	16	1.667	1.943	67%

ESTIMATING ROOF AREAS

The last column of the table is for figuring roof areas. In order to find the area of any roof, we first find the area of the roof in plan and add the percentage given in the table, for the pitch of the roof indicated on the drawing.

GARDINER BUILT

MEASURES OF SURFACE

7194

- 144 square inches 1 square foot
 - 9 square feet 1 square yard 1,296 square inches
- 100 square feet 1 square (architects' measure)

LAND MEASURE

- 304 square yards 1 square rod
- 40 square rods 1 square rood 1,210 square yards
- 4 square roods 1 acre 4,840 square yards
- 10 square chains 160 square rods
- (640 acres 1 square mile 3,097,600 square yards)
- (102,400 square rods 2,560 square roods
- 208.71 feet square 1 acre 43560 square feet

A section of land is a square mile, and a Quarter-Section is 160 acres.

MEASURES OF VOLUME

- l gallon, liquid measure 231 Cubic inches, and contains 8.339 avoirdupois pounds of distilled water at 39.8° F., or 58,333 grains.
- lcubic foot contains 7.48 liquid gallons, or 6.428 dry gallons.
- l gallon, dry measure 268.8 cubic inches.
- 1 bushel (Winchester) contains 2150.42 cubic inches or 77.627 pounds distilled water at 39.8° F.
- A heaped bushel contains 2747.715 cubic inches.

ELLANEO



4 quarts - 1 gallon - 8 pints -

2 gallons - 1 peck - 16 pints - 8 quarts 537.6 cubic inches

4 pecks - 1 bushel - 64 pints - 32 quarts -

2 pints - 1 quart - 8 gills - 32 fluid ounces

4 quarts - 1 gallon 32 gills - 8 pints - 128 fluid ozs.

In the United States and Great Britain 1 barrel of wine or

A Hogshead is 63 gallons, but this term is often applied to

27 cubic feet - 1 cubic yard

In measuring wood, a pile of wood cut 4 feet long, piled 4 feet high, and 8 feet on the ground, making 128 cubic feet

16 cubic feet make one cord-foot.

A Perch of Stone is nominally $16\frac{1}{2}$ feet long, 1 foot high and 1 1/2 feet thick, and contains 24 3/4 cubic feet.

GARDINER BUIL

No. to 100 Yds	1,475 1,590 2,000 2,200 2,40 2,40 3,000 8,540 8,580
Spacing	8 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Width	11 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Length	46 46 46 46 46 46 46 46 46 46 46 46 46 4

ESTIMATING THE QUANTITY OF WOOD SHINGLES

Ordinary woodshingles are furnished in random widths, but 1,000 shingles are equivalent to 1,000 shingles $4^{\rm W}$ wide.

Dimension shingles are sawed to a uniform width, being either 4", 5", or 6" wide.

Stained shingles such as Creo Dipt, Weatherbest, etc., are usually sold by the square based on sufficient shingles to lay 100 sq. ft. of surface, when laid 5" to the weather.

When estimating the quantity of ordinary wood shingles required to cover any roof, bear in mind that the distance the shingles are laid to the weather makes considerable difference in the actual quantity required.

There are 144 sq.in. in 1 sq. ft. and an ordinary shingle is 4" wide. When laid with 4" exposed to the weather, each shingle covers 16 sq. in. or it requires 9 shingles per sq. ft. of surface. There are 100 sq.ft. in a Square. 100x9-900, and allowing 10% to cover the double row of shingles at the eaves, waste in cutting, narrow shingles, etc., it will require 990 shingles per 100 sq. ft. of surface.

NUMBER OF SHINGLES and QUANTITY OF NAILS REQUIRED PER 100 SQ. FT. OF SURFACE

Distance Laid to Weather	Area Cover- ed by One Shingle Sq. In.	Add for Waste Per Cent	Without	Number per Square With Waste	3d Nails	Pounds 4d Nails Req'd
4 ¹¹ 4 ¹ / ₄ ¹ 1	16 17 18 20 22 24	10 10 10 10 10	900 850 800 720 655 600	990 935 880 792 720 660	3 3/4 3 1/2 3 1/4 3 2 3/4 2 1/2	6 6 5 5 4 4 4

GARDINER BUILT

TABLE	OF	BOARD	MEASURE
-------	----	-------	---------

		TABLE OF	BOARD MEAS	URE		4
Size in Inches	101	12'	14'	16'	18†	201
1 x 2 1 x 3 1 x 4 1 x 6 1 x 8 1 x 10 1 x 12	1 2/3 2 1/2 3 1/3 5 6 2/3 8 1/3 10	2 3 4 6 8 10 12	2 1/3 3 1/2 4 2/3 7 9 1/3 11 2/3	2 2/3 4 5 1/3 8 10 2/3 13 1/3 16	3 4 1/2 6 9 12 15 18	3 1/3 5 6 2/3 10 13 1/3 16 2/3 20
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	4 1/6 6 1/4 8 1/3 10 5/12 12 1/2	5 7 1/2 10 12 1/2 15	5 5/6 8 3/4 11 2/3 14 7/12 17 1/2	6 2/3 10 13 1/3 16 2/3 20	7 1/2 11 1/4 15 18 3/4 22 1/2	12 1/2 16 2/3 20 5/6
lax 4 lax 6 lax 8 lax 10 lax 12	5 7 1/2 10 12 1/2 15	6 9 12 15 18	7 10 1/2 14 17 1/2 21	8 12 16 20 24	9 13 1/2 18 22 1/2 27	20
2 x 2 2 x 3 2 x 4 2 x 6 2 x 8 2 x 10 2 x 12 2 x 14	3 1/3 5 6 2/3 10 13 1/3 16 2/3 20 23 1/3	4 6 8 12 16 20 24 28	4 2/3 7 9 1/3 14 18 2/3 23 1/3 28 32 2/3	5 1/3 8 10 2/3 16 21 1/3 26 2/3 32 37 1/3	18 24 3 30 36	6 2/3 10 13 1/3 20 26 2/3 33 1/3 40 46 2/3
3 x 4 3 x 6 3 x 8 3 x 10 3 x 12 3 x 14	25 30	12 18 24 30 36 42	14 21 28 35 42 49	16 24 32 40 48 56	18 27 36 45 54 63	20 30 40 50 60 70
4 x 4 4 x 6 4 x 8 4 x 10 4 x 12 4 x 14	20 26 2/3 33 1/3 40	24 32 40 48	18 2/3 28 37 1/3 46 2/3 56 65 1/3	21 1/ 32 42 2/ 53 1/ 64 74 2/	36 48 3 60 72	26 2/3 40 53 1/3 66 2/3 80 93 1/3

HARDWOOD FLOORING MEASUREMENTS

All 3/6" and 1/2" flooring is measured 1/2" over face to allow formatching, 3/4" and thickerflooring is measured 3/4" over face. To get the board measure, add to the surface measure as follows:

	3/8"	1/2"	13/16"
For 1 1/2 in. face, add	1/3	1/3	1/2
For 1 3/4 in. face, add	2/7	2/7	3/7
For 2 in. face, add	1/4	1/4	3/8
For 2 1/4 in. face, add			1/3
For 2 1/2 in. face, add			3/10
For 3 in. face, add	-		1/4
For 3 1/4 in. face, add			3/13

TABLE FOR REDUCING 100 FEET BOARD AND FACE MEASURE TO LINEAL FEET

	Board Measure	Face
3/8 x 1 1/2	600 Lineal Feet	800
x 1 3/4	534	686
x 2		600
1/2 x 1 1/2	600 11	800
x 1 3/4	534	686
x 2	480 "	600
13/16 x 1 1/2	534	800
x 1 3/4		686
x 2		600
x 2 1/4	400 "	534
x 2 1/2	369	480
x 2 3/4		436
x 3 1/4	300 "	369

GARDINER BUILT

I	1	Sun.	Mon.	Tues.	Wed.	Thu.	Fri	Sat.	No.	Sun.	Mon.	Tues.	Wed.	Thu.	Fri.	Sat.	١
1		1	2	3	4	5	6	7		1		1.1.				1	1
		8	9	10	11	12	13	14		2	3	4	5	6	7	8	
	ż	15	16	17	18	19	20	21	Z	9	10	11	12	13	14	15	10
1	JAN	22	23	24	25	26	27	28	3	16	17	18	19	20	21	22	-
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	4	19	20	21	22	23	24	25	F	20	21	22	23	24	25	26	4
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體	L	2	3	4	5	6	7	8		8	9	10	11	12	13	21	H
	1	9	10	11	12	13	14			15	16	17	18	19	20	28	h
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	ч	12	173	17	1	. 1	7 100		3	14		2 3			110	2 2	
3	1	. 4	1 5	5 6	5 7	7. 8	1 9			. 1	100	7				1 3	
1		11	1:	2 13	0 10	E 1 3 1		100	7.8	10		NO 1 34-1	1		1 10	75	
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		25	5 2	6 27	7 21	8 29	9 30	0	-	3		1	3 3		3	1	7
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